

What is claimed is:

1. A fixed type constant velocity joint characterized by comprising an outer joint member having axially extending guide grooves formed in the spherical inner peripheral surface thereof, an inner joint member having axially extending guide grooves formed in the spherical outer peripheral surface thereof, torque transmitting balls disposed one by one in ball tracks defined by cooperation between the guide grooves of the outer and inner joint members, and a cage holding the torque transmitting balls, wherein the angle defined by a straight line connecting a contact point between the cage and the outer joint member and a contact point between the cage and the inner joint member, and the cage center line is not more than 10 degrees.
2. A fixed type constant velocity joint as set forth in Claim 1, characterized in that the number of guide grooves of the outer joint member is eight and so is the number of guide grooves of the inner joint member.
3. A fixed type constant velocity joint as set forth in Claim 1 or 2, characterized in that the guide grooves of the outer and inner joint members are provided with straight sections having a straight groove bottom.